

ABSTRACT

A guide rail (21) having a guide surface for guiding sliding movement of a movable body (5) is monolithically formed on a base (2) of a measuring machine (1). A coating film for rust prevention is formed on the guide surface. With this feature, it is not necessary to attach the guide rail (21) as a discrete member to the base (2), so that a number of steps in the manufacture process and the production cost can be reduced. Further as the base (2) and the guide rail (21) are made of the same material, the bimetal effect does not occur, which insures the stability of the base (2) against changes due to aging.